

FIG. 1



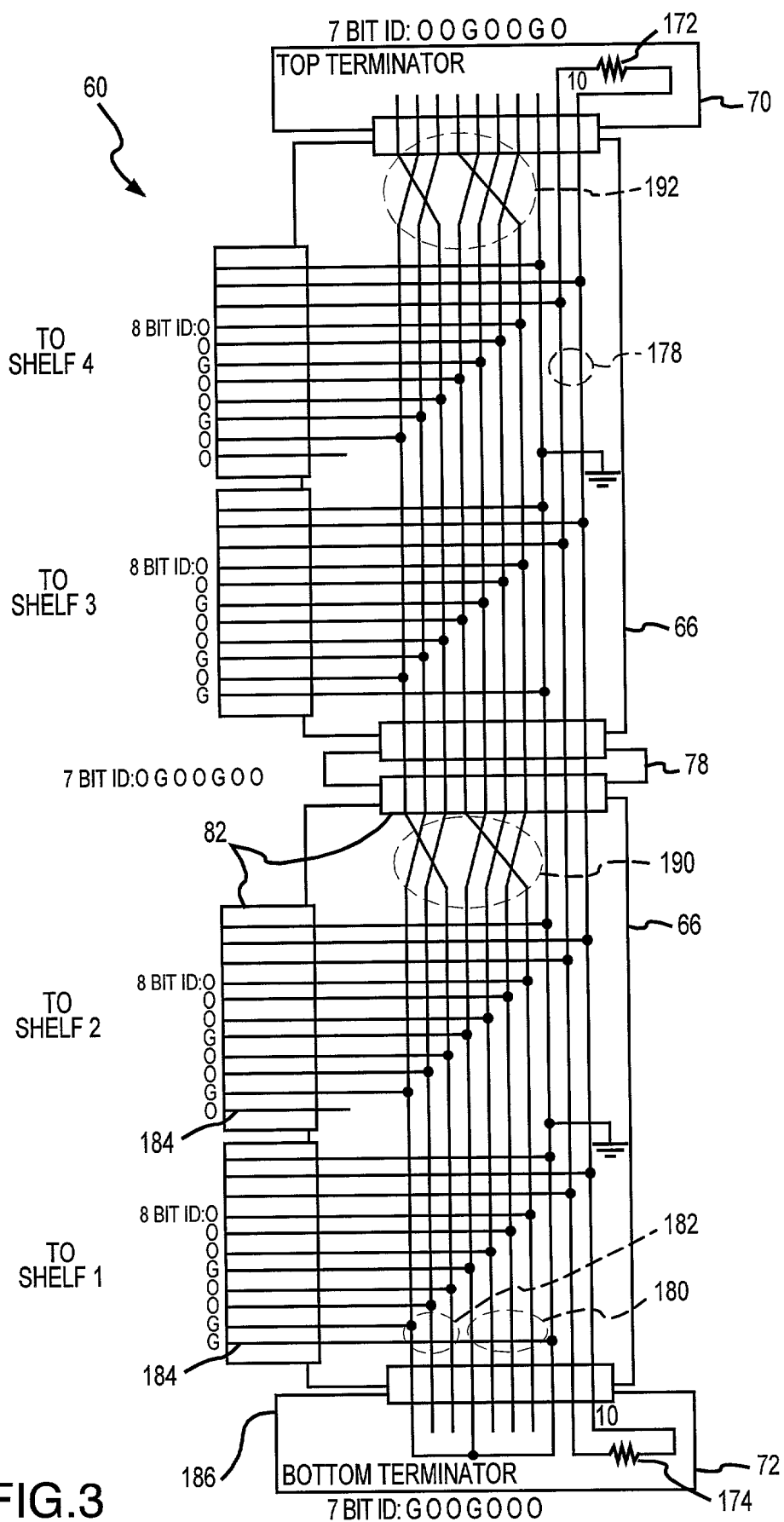


FIG.3

SHELF ID	BITS 7..4	BITS 3..1	BIT 0
1	1110	110	0
2	1110	110	1
3	1101	101	0
4	1101	101	1
5	1011	011	0
6	1011	011	1
7	0111	110	0
8	0111	110	1
9	1110	101	0
10	1110	101	1
11	1101	011	0
12	1101	011	1
13	1011	110	0
14	1011	110	1
15	0111	101	0
16	0111	101	1
17	1110	011	0
18	1110	011	1
19	1101	110	0
20	1101	110	1
21	1011	101	0
22	1011	101	1
23	0111	011	0
24	0111	011	1
CABINET CABLE DISCONNECTED	1111	XXX	X
CABINET CABLE DISCONNECTED	XXXX	111	X

FIG.4

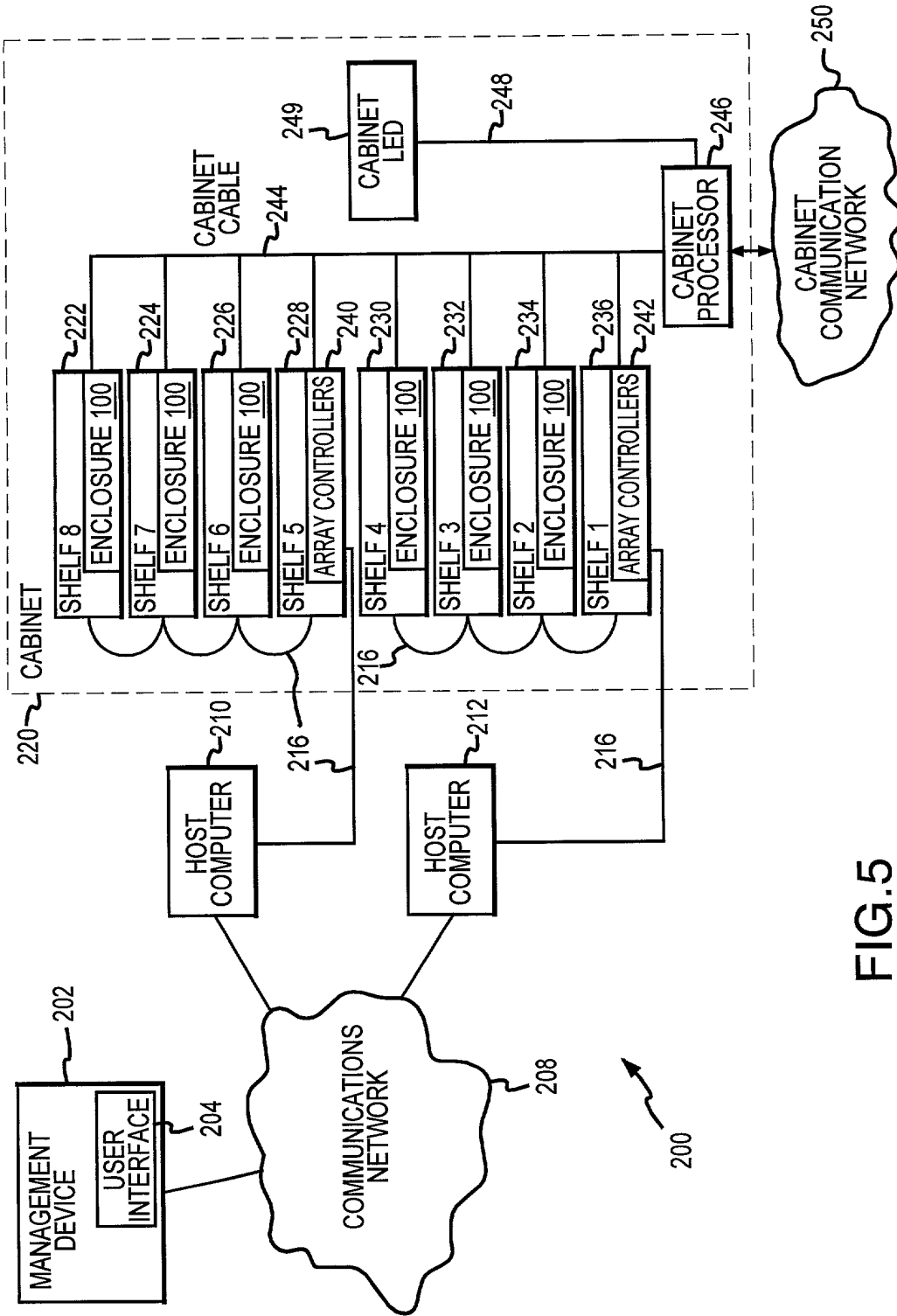


FIG. 5

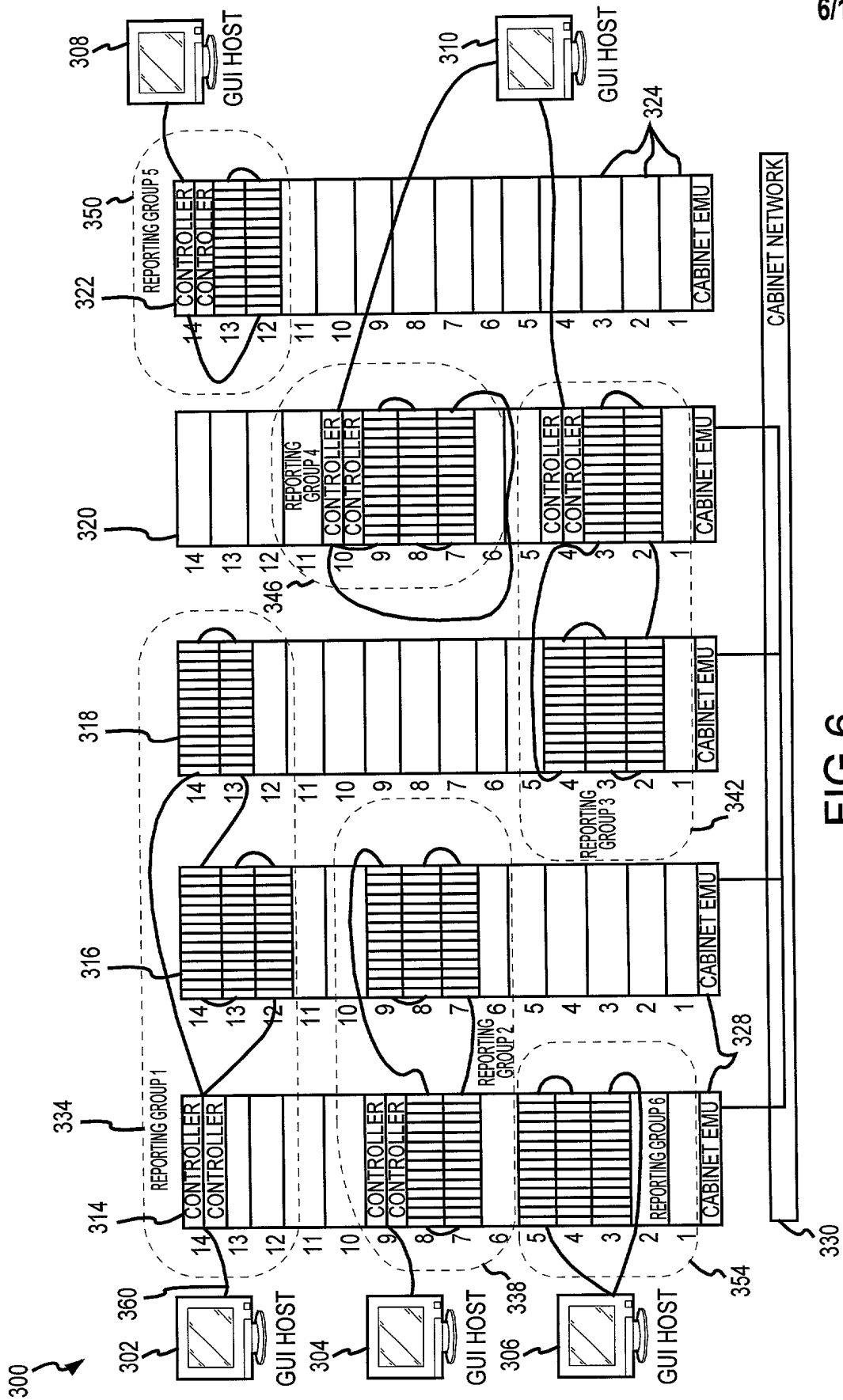


FIG.6

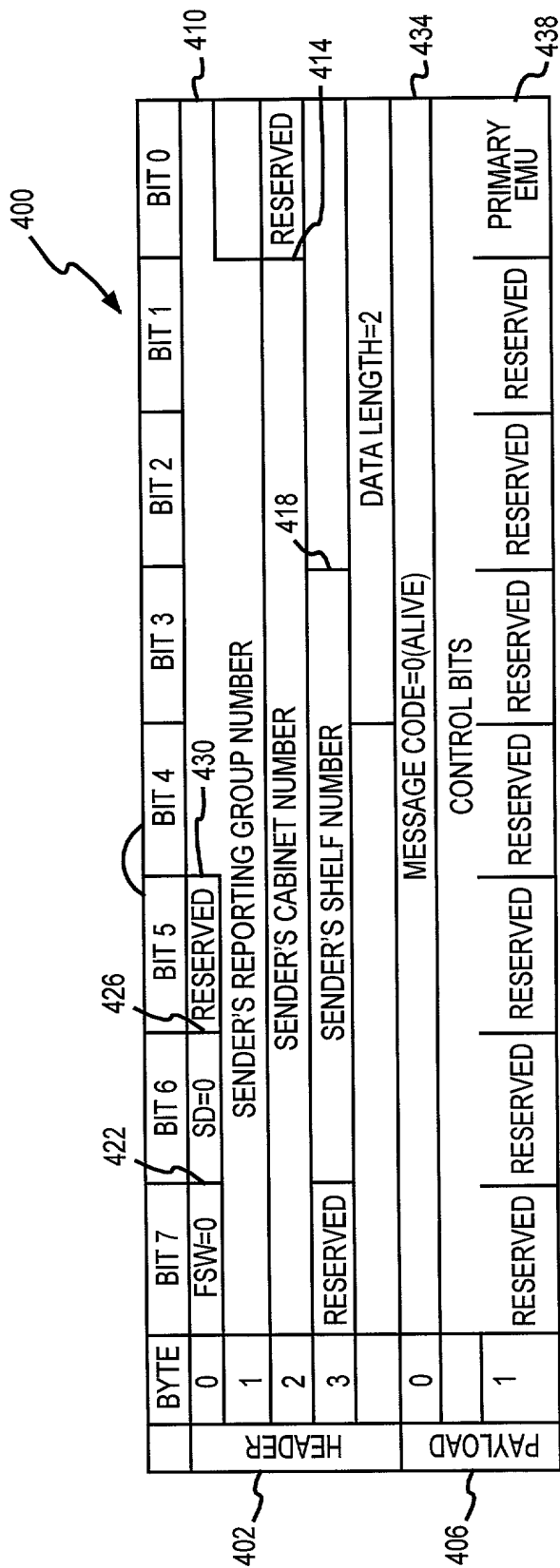


FIG.7

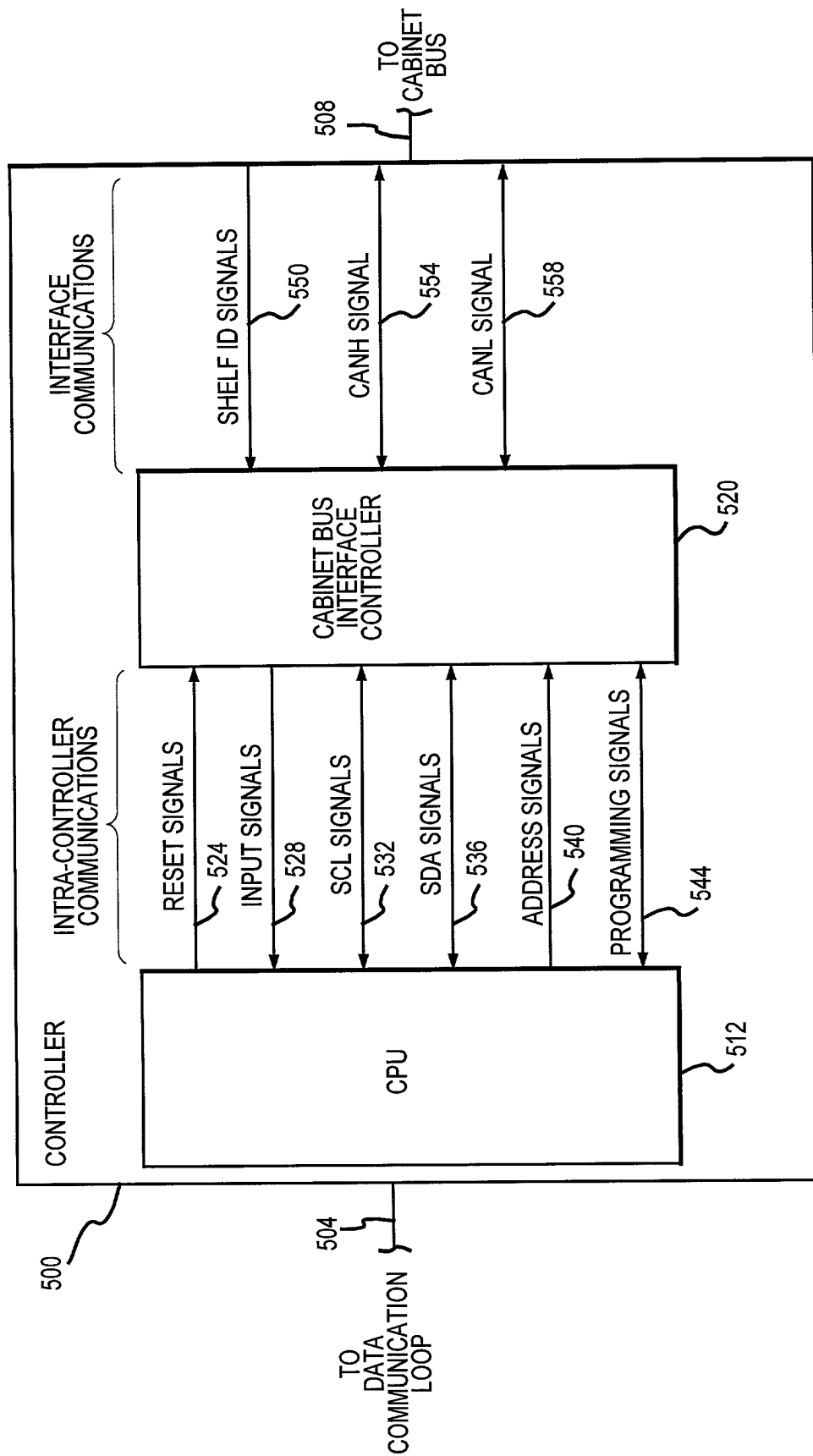
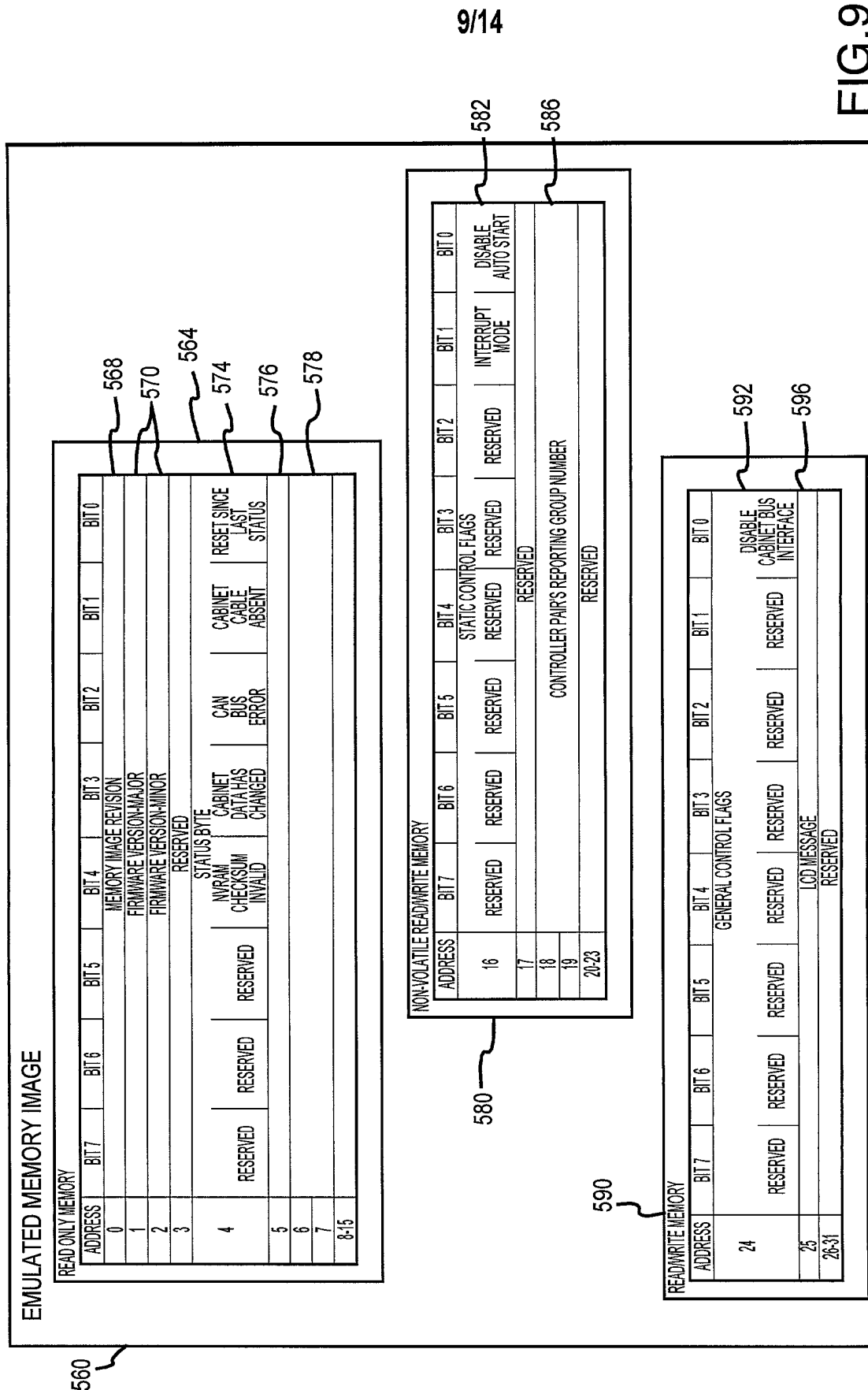


FIG.8





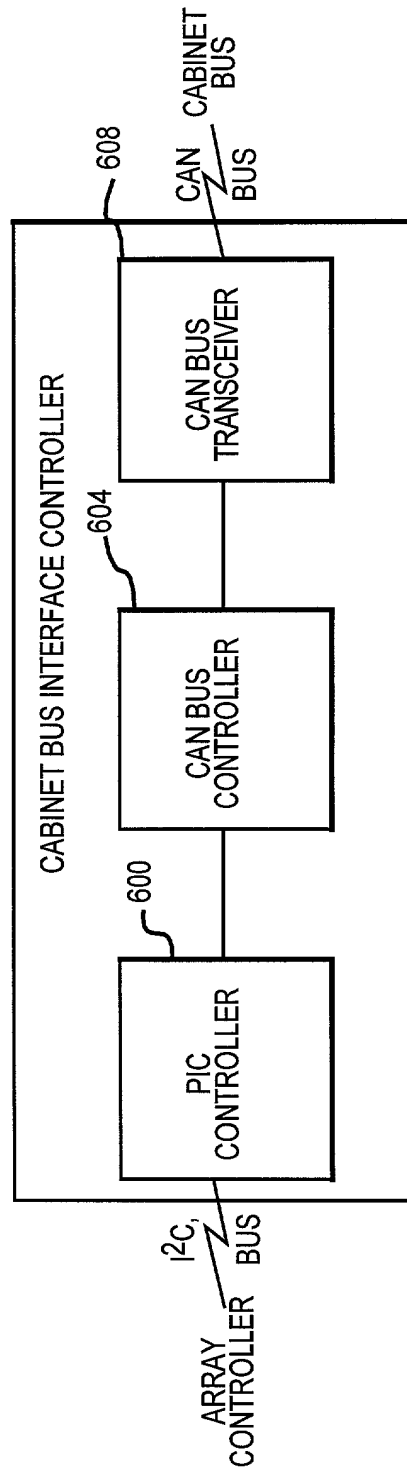


FIG.10

620

11/14

BYTE	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
0	PROTOCOL NUMBER							
1	00H CONFIGURATION STATUS PAGE FORMAT REVISION				80H GENERAL CONTROL PAGE FORMAT REVISION			
2	TYPE=0				REV			
3								
4	ERROR CODE							
5	SUB-ERROR CODE							
6	FRAMEWORK SOFTWARE REVISION							
7	APPLICATION SOFTWARE REVISION							
8	NUMBER OF STATUS PAGES=4							
9	NUMBER OF CONTROL PAGES=7							
10	STATUS PAGE 00H							
11	LENGTH=32							
12	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
13	CONTROLLER INTERFACE STATUS PAGE=01H							
14	LENGTH=16							
15	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
16	CONTROLLER INTERFACE PAGE 02H REPORTING GROUP PARTICIPATION							
17	LENGTH=22							
18	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
19	CONTROLLER INTERFACE PAGE 03H DRIVE BYPASS STATUS							
20	LENGTH=6							
21	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
22	CONTROLLER INTERFACE GENERAL CONTROL PAGE 80H							
23	LENGTH=1							
24	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
25	CONTROLLER INTERFACE MODULE CONTROL PAGE 81H							
26	LENGTH=1							
27	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
28	CONTROLLER INTERFACE LCD CONTROL PAGE 82H DRIVE							
29	LENGTH=1							
30	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
31	CONTROLLER INTERFACE NON-VOLATILE CONTROL PAGE 83H							
32	LENGTH=5							
33	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
34	CONTROLLER INTERFACE DRIVE BYPASS PAGE 84H							
35	LENGTH=6							
36	SEMAPHORE	NEW DATA			FORMAT REVISION=1			
37	CONTROLLER INTERFACE REVISION INFO CONTROL PAGE 85H							
38	LENGTH=4							
39	SEMAPHORE	NEW DATA			FORMAT REVISION=0			
40	CONTROLLER INTERFACE DRIVE BYPASS RESTART CONTROL PAGE 86H							
41	LENGTH=3							
42	SEMAPHORE	NEW DATA			FORMAT REVISION=0			

FIG.11

670

674676678680682684

BYTE	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0	
0	RESERVED	RESERVED	BYPASS DATA READY	NVRAM CHECKSUM INVALID	CABINET DATA HAS CHANGED	CAN BUS ERROR	CABINET CABLE ABSENT	RESET SINCE LAST STATUS	672
1	RESERVED	RESERVED	SHELF ID						688
2	CABINET NUMBER								690
3									
4									
5									694
6	IMAGE OF CONTROLLER'S SECOND REPORTING GROUP NUMBER								698
7									
8	IMAGE OF STATIC CONTROL FLAGES								
	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	INTERRUPT MODE	DISABLE AUTO START	700
9	IMAGE OF CONTROL FLAGES								
	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	RESERVED	DISABLE CAB. BUS INTERFACE	704
10	IMAGE OF LCD MESSAGE BYTE								708
11	RESERVED								
12	IMAGE OF CONTROLLER'S REVISION INFORMATION								712
13									
14									
15									

FIG.12

720

722 724 726

728

730

BYTE	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0				
0	QUESTIONABLE	TABLE OVERFLOW	FAILED	RESERVED =0	REPORTING GROUP NUMBER							
1	QUESTIONABLE	RESERVED=0	FIRST ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
2	CABINET NUMBER											
3	QUESTIONABLE	RESERVED=0	SECOND ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
4	CABINET NUMBER											
5	QUESTIONABLE	RESERVED=0	THIRD ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
6	CABINET NUMBER											
7	QUESTIONABLE	RESERVED=0	FOURTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
8	CABINET NUMBER											
9	QUESTIONABLE	RESERVED=0	FIFTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
10	CABINET NUMBER											
11	QUESTIONABLE	RESERVED=0	SIXTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
12	CABINET NUMBER											
13	QUESTIONABLE	RESERVED=0	SEVENTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
14	CABINET NUMBER											
15	QUESTIONABLE	RESERVED=0	EIGHTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
16	CABINET NUMBER											
17	QUESTIONABLE	RESERVED=0	NINTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
18	CABINET NUMBER											
19	QUESTIONABLE	RESERVED=0	TENTH ENCLOSURE PARTICIPATING IN THE REPORTING GROUP ENCLOSURE NUMBER									
20	CABINET NUMBER											

FIG.13

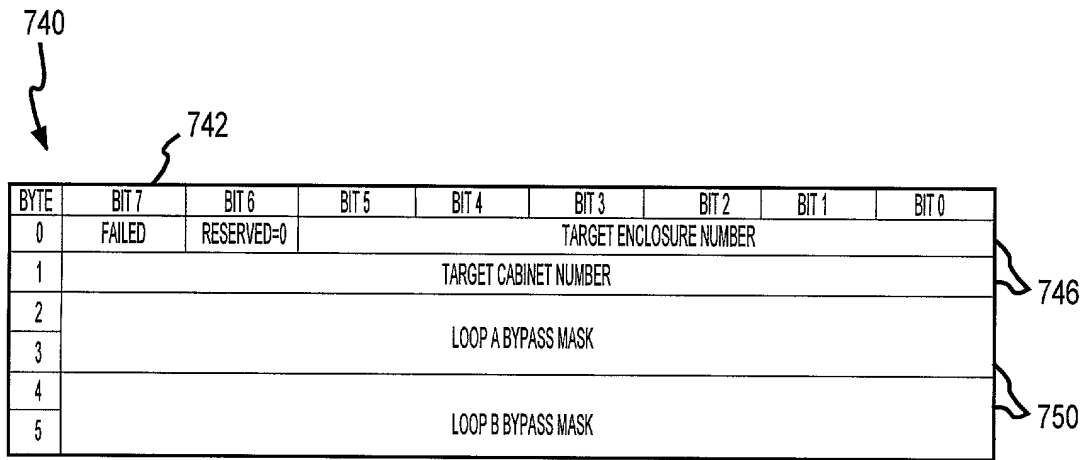


FIG.14